# BTEC Assignment Brief

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| **Qualification** | Pearson BTEC International Level 3 Certificate in Land-based Studies<br>Pearson BTEC International Level 3 in Subsidiary Diploma Land-based Studies<br>Pearson BTEC International Level 3 Foundation Diploma in Agriculture<br>Pearson BTEC International Level 3 Diploma in Agriculture<br>Pearson BTEC International Level 3 Extended Diploma in Agriculture |
| **Unit number and title** | Unit 10: Farm Livestock Husbandry |
| **Learning aim(s)** | **A:** Understand the production systems used for farm livestock |
| **Assignment title** | **Production Systems** |
| **Assessor** | |
| **Issue date** | |
| **Hand in deadline** | |

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| **Vocational Scenario or Context** | You have been working as a volunteer at a local, mixed farm for some time. Your supervisor has asked you to produce some information for the public about the different production systems that can be used by farmers. The information you produce will be displayed on open days at the farm. |
| **Task 1** | You must produce material for a display, to be used on open days. Many of the visitors on the open days will not be aware of common production systems of farm livestock.<br>You will use **one** example **from each** of the following groups of livestock: *sheep, pigs, cattle* and *poultry*. The information must include:<br>• an explanation of the differences between the four different species of conventional farm livestock<br>• judgements about the suitability of the common production systems for your four chosen species that details;<br>o intensive, extensive, and organic systems<br>o breed characteristics, and the factors that affect the suitability of a system for a particular breed<br>o a rationale for each production system<br>• a review of the advantages and disadvantages of each production system that considers;<br>o costs -animals, feed, and equipment<br>o ease of handling and safety<br>o how humans can use breed characteristics to their advantage |

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| | • examples of how each system impacts on the welfare of each species – suggest ways they can be improved. |
| **Checklist of evidence required** | Display information<br>Written evidence<br>Annotated photographs |

| **Criteria covered by this task:** | |
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| Unit/Criteria reference | To achieve the criteria you must show that you are able to: |
| A.D1 | Evaluate the suitability of livestock production systems for different species, giving recommended changes. |
| A.M1 | Assess the different factors of livestock production systems for different species of farm livestock. |
| A.P1 | Explain the characteristics of different production systems. |
| A.P2 | Explain why different production systems for different breeds can affect animal welfare in different ways. |

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| **Sources of information to support you with this Assignment** | **Textbooks**<br>Bateman, H, Curtis, S and McAdam, K – *Dictionary of Agriculture* (A&C Black Publishers Ltd, 2006) ISBN 0713677783<br>Bazeley, K – *Practical Cattle Farming* (The Crowood Press Ltd, 2007) ISBN 1861269757<br>Cardell, K – *Practical Sheep Keeping* (The Crowood Press Ltd, 2012) ISBN 9781847973399<br>Larkin Hansen, A - *The Organic Farming Manual: A Comprehensive Guide to Starting and Running, or Transitioning to a Certified Organic Farm* (Storey Publishing, 2010) ISBN 9781603424790<br>Lockhart, J and Wiseman, A - *Lockhart and Wiseman's Crop Husbandry Including Grassland* (Woodhead Publishing Ltd, 2014) ISBN 9781782423713<br>Roberts V, and Scott-Park F – *BSAVA Manual of Farm Pets* (BSAVA 2008) ISBN 978 - 1905319039<br>**Journals**<br>*Arable Farming Crops*<br>*Dairy Farmer*<br>*Farmers Guardian*<br>*Farmers Weekly*<br>*Pig World*<br>*Poultry World*<br>*Practical Poultry* |